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TITLE: Apparatus and method for processing  
prepayment service function in pcs  
system

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PATENT-FAMILY:

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APPLICATION-DATA:

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**BASIC-ABSTRACT:**

NOVELTY - An apparatus and a method for processing a prepayment service function in a PCS(Personal Communication Service) system, are provided to allow a user to pay a communication fee in advance and then use a PCS service within the paid fee.

DESCRIPTION - An SSP(Service Switching Point) recognizes an ISUP(ISdn User Part) input trunk call (S1). The authentication for the prepayment service of a call originating subscriber is requested to an SCP (Service Control Part)(S2). Connection to an IP (Intelligent Peripheral) is performed(S3). The SSP keeps a call path while the IP reports balance information to the subscriber(S4). The SCP sends a usable time period and incoming number of the subscriber to the SSP(S5). The SSP sets an incoming call using the incoming number(S6). The usable time period for telephone calls is registered(S7). If all of the usable time period expires, the telephone calls is terminated by force(S8). When a telephone call ends, the information on start time and end time of the telephone call is sent to the SCP(S9). Data for charging the service is prepared(S10), and then the resources related to the call are released(S11).

**CHOSEN-DRAWING:** Dwg.1/10

**TITLE-TERMS:** APPARATUS METHOD PROCESS PREPAYMENT  
SERVICE FUNCTION SYSTEM

**DERWENT-CLASS:** W01

**EPI-CODES:** W01-C06;